

## UNIT-1

## zoology Sem-2 Important questions

### Long:

1. Write the general characters and classification of hemichordates.
2. Write the " " and affinities of hemichordate/Balanoglossus.
3. What is retrogressive metamorphosis. Explain its significance in urochordates (fishes).
4. Write the salient features and affinities of cephalochordates.
5. Write the gen. char and class. of chordates.
6. Write the gen. char and fundamental features of chordates.

### Short:

1. Urochordates
2. Petromyzon
3. Myxine
4. Balanoglossus
5. Tornaria larva
6. Cyclostomata

## UNIT-11

### Long:

1. Gen char and class of fishes.
2. Explain the respiratory sys in Scyliodon with the mechanism.
3. " " circulatory sys / structure and fun of heart in Scyliodon.
4. " " central NS of Scyliodon (Brain and spinal cord)
5. Write the gen char and class of amphibians.
6. Explain the respiratory sys (pulmonary respiration) in Rana tigrina with mechanism.
7. " " str and fun of heart in Rana tigrina / Frog.
8. " " Nervous sys in frog.
9. Write about parental care in amphibians.
10. What is Neoteny. Explain the types of Neoteny with axolotl larva.

### Short:

1. Types of scales
2. Types of fins
3. Type of caudal fins
4. Neoteny
5. Paedogenesis
6. Shark
7. Apoda Anura
8. Urodela

### UNIT-III

### Reptiles - long systemans

#### Long:

1. Write the GC and class of Reptilia.
2. Explain the respiratory sys in Calotes.
- ③ " " str and fun of heart in Calotes.
4. " the nervous sys in Calotes.
- ⑤ Explain the dif types of reptilian skull or temporal fossae in reptiles.
- ⑥ Distinguish the characteristic fea of poisonous and non-poisonous snakes.
7. Write the GC and class of Aves.
- ⑧ Explain the Digestive sys in Pigeon with physiology.
9. " " str and fun of heart in Pigeon
10. " " Double respiration in Pigeon
11. " " Nervous sys of pigeon
- ⑫ What is migration and Explain the types of migration in birds. ✓
- ⑬ Explain the flight adaptation in birds. ✓ (mandatory)

#### short:

1. Rynco cephalia
2. Squamata
3. chelonina
4. crocodilia
5. Aps sacs
6. Syrinx
7. Liver

### UNIT-IV

#### long:

1. Write the GC and class of mammals.
- ② Explain the digestive sys and physiology of digestion in Rabbit
- ③ " " double circulation in Rabbit / str and fun of heart in Rabbit
4. " " Nervous sys in Rabbit.
- ⑤ What is Dentition. Explain the dif types of dentition in mammals/Eutherians
- ⑥ Explain the aquatic adaptation in mammals ⑦ Respiration in Rabbit

#### short:

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|-----------------------|----------------------------------|-------------------|
| 1. Prothelia          | } 8-10 points<br>and<br>examples | 5. spinal cord    |
| 2. Meta thersia       |                                  | 6. Liver          |
| 3. Eutheria           |                                  | 7. Pancreas       |
| 4. structure of tooth |                                  | 8. Dental formula |